# BRUHAT BENGALORE MAHANAGARA PALIKE
## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Measurements Taken On:-

| S.NO | Description of item's | Unit | No | Measurements L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Dismantling of existing structures like culverts,bridges,retaining walls and other structure comprising of masanry,cement concrete,wood work,steel work,including T&P and scaffolding wherever necessary,sorting the dismantled material,disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications and directions of the Engineer in Charge. | | | | | | | | |
| | | Cum | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 4.85 | | |
| | | | | | | Total Quantity | 4.85 | 623.91 | 3025.96 |
| 2 | Earth work excavation by manual means for roads,drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clouds complete as per specifications and directions of the Engineer in Charge. | | | | | | | | |
| | | Cum | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 108.21 | | |
| | | | | | | Total Quantity | 108.21 | 196.18 | 21228.34 |
| 3 | Providing and laying in position plain cement concrete of mix 1:4.8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications and directions of | | | | | | | | |
| | | Cum | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 18.19 | | |
| | | | | | | Total Quantity | 18.19 | 5484.59 | 99775.66 |
| 4 | Providing and laying plain/ Reinforced cement concrete for side drains using M20 nominal mix concrete with opc at 300kgs with 20mm and down size granite metal coarse aggregates @0.69cum and fine aggregates @0.43 cum machine mixed,well compacted for walls and bottom including centering ,shuttering,cost of materials,HOM of machinery,curing etc,complete excluding cost ofsteel as per MORTH specification No.1500,1700,2000.including cost of materials,labour,HOM complete as per specifications | | | | | | | | |
| | 12th cross,Drain Bottom Concrete:-L/Side | cum | 1 | 15.00 | 0.75 | 0.15 | 1.69 | | |
| | | | 1 | 15.00 | 0.75 | 0.15 | 1.69 | | |
| | | | 1 | 15.00 | 0.75 | 0.15 | 1.69 | | |
| | | | 1 | 2.80 | 0.75 | 0.15 | 0.32 | | |
| | R/Side | | 1 | 15.00 | 0.75 | 0.15 | 1.69 | | |
| | | | 1 | 15.00 | 0.75 | 0.15 | 1.69 | | |
| | | | 1 | 15.00 | 0.75 | 0.15 | 1.69 | | |
| | | | 1 | 2.00 | 0.75 | 0.15 | 0.23 | | |
| | 5Th Cross | | 1 | 13.00 | 0.75 | 0.15 | 1.46 | | |
| | 12th cross,Drain Bottom Concrete:-L/Side | | 2 | 15.00 | 0.15 | 0.60 | 2.70 | | |
| | | | 2 | 15.00 | 0.15 | 0.60 | 2.70 | | |
| | | | 2 | 15.00 | 0.15 | 0.60 | 2.70 | | |
| | | | 2 | 2.80 | 0.15 | 0.60 | 0.50 | | |
| | R/Side | | 2 | 15.00 | 0.15 | 0.60 | 2.70 | | |
| | | | 2 | 15.00 | 0.15 | 0.60 | 2.70 | | |
| | | | 2 | 15.00 | 0.15 | 0.60 | 2.70 | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| | | | 2 | 2.00 | 0.15 | 0.60 | 0.36 | | | |
| | 5Th Cross | | 2 | 13.00 | 0.15 | 0.60 | 2.34 | | | |
| | RCC Culvert Bottom Concrete:-1st cross | | 1 | 5.50 | 1.50 | 0.20 | 1.65 | | | |
| | 4th cross | | 1 | 5.60 | 1.50 | 0.20 | 1.68 | | | |
| | Side Walls:-1st cross | | 2 | 5.50 | 0.20 | 0.50 | 1.10 | | | |
| | 4th cross | | 2 | 5.60 | 0.20 | 0.50 | 1.12 | | | |
| | | | | | | Total Quantity | 37.08 | 7304.54 | 270863.30 | |
| 5 | Providing T.M.T bars Fe 500 Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete as per specifications and directions of the Engineer in Charge. | | | | | | | | | |
| | | Tonne,s | | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 2.39 | | | |
| | | | | | | Total Quantity | 2.39 | 85613.30 | 204827.42 | |
| 6 | Providing and fixing RCC Pre cast covering Slab made out of CC 1:2:4 with 10cm thick and finishing cutting,including form work, curing,including cost of all materials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc,complete (Data Rate) complete as per specifications and directions of the engineer in charge | | | | | | | | | |
| | 12th cross,Drain -L/Side | Sqm | 1 | 15.00 | 0.75 | | 11.25 | | | |
| | | | 1 | 15.00 | 0.75 | | 11.25 | | | |
| | | | 1 | 15.00 | 0.75 | | 11.25 | | | |
| | | | 1 | 2.80 | 0.75 | | 2.10 | | | |
| | R/Side | | 1 | 15.00 | 0.75 | | 11.25 | | | |
| | | | 1 | 15.00 | 0.75 | | 11.25 | | | |
| | | | 1 | 15.00 | 0.75 | | 11.25 | | | |
| | | | 1 | 2.00 | 0.75 | | 1.50 | | | |
| | 5th Cross | | 1 | 13.00 | 0.75 | | 9.75 | | | |
| | | | | | | Total Quantity | 80.85 | 1816.29 | 146847.05 | |
| 7 | Providing and fixing Pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm down size with steel reinforcement including form work,curing,including cost of all marerials,labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc,complete,as per engineer in charge. | | | | | | | | | |
| | RCC Culvert Slabs:-1st cross | sqm | 9 | 1.20 | 0.60 | | 6.48 | | | |
| | 4th cross | | 9 | 1.20 | 0.60 | | 6.48 | | | |
| | Kote Beedi 2nd cross | | 5 | 1.20 | 0.60 | | 3.60 | | | |
| | | | | | | Total Quantity | 16.56 | | | |
| | | Limited To Schedule B Quantity | | | | | 16.50 | 5120.01 | 84480.17 | |
| 8 | Providing and laying in position plain cement concrete of mix 1:2:4 with opc @ 240kgs,with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates 0.53 cum,machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM curing complete as per specifications and directions of the engineer in charge.. | | | | | | | | | |
| | | Cum | | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 4.73 | | | |
| | | | | | | Total Quantity | 4.73 | 5929.77 | 28041.88 | |
| 9 | Removing and resetting of kerb stones complete as per specifications and directions of the engineer in charge. | | | | | | | | | |
| | | Rmtr | | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 193.15 | | | |

AE-01

Asst. Executive Engineer
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|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Total Quantity | 193.15 | 99.17 | 19154.69 |
| 10 | Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete as per specifications and directions of the engineer in | | | | | | | | |
| | Missing and Damaged Kerbs | No,s | 2 | | | | 2.00 | | |
| | | | 5 | | | | 5.00 | | |
| | | | 3 | | | | 3.00 | | |
| | | | 1 | | | | 1.00 | | |
| | | | 5 | | | | 5.00 | | |
| | | | 3 | | | | 3.00 | | |
| | | | 6 | | | | 6.00 | | |
| | | | 5 | | | | 5.00 | | |
| | | | 3 | | | | 3.00 | | |
| | | | 4 | | | | 4.00 | | |
| | | | 3 | | | | 3.00 | | |
| | | | 2 | | | | 2.00 | | |
| | | | 3 | | | | 3.00 | | |
| | | | 2 | | | | 2.00 | | |
| | | | 6 | | | | 6.00 | | |
| | | | | | | Total Quantity | 53.00 | 408.69 | 21660.57 |
| 11 | Painting two coats after filling the surface ovoiding and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications and directions of the engineer in charge. | | | | | | | | |
| | 1st Main Road | Sqm | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 15.00 | | 0.40 | 6.00 | | |
| | | | 1 | 14.00 | | 0.40 | 5.60 | | |
| | | | | | | | 95.60 | | |
| | Roads | | 4 | 5.50 | | 0.40 | 8.80 | | |
| | | | | | | Total Quantity | 86.80 | 80.14 | 6956.15 |
| 12 | Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers,trimming bottom and side slopes,in accordance with requirements of lines,grades and cross sections,and transportation with a lead of 1.00 km and complete as per specifications and directions of the engineer in charge. | | | | | | | | |
| | | Cum | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 32.44 | | |
| | | | | | | Total Quantity | 32.44 | 53.17 | 1724.83 |

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Comp 9/6/2022
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|---|---|---|---|---|---|---|---|---|---|---|
| 13 | Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting withvibratory roller to achieve the desired density complete as per specifications and directions of the engineer in charge. | | | | | | | | | |
| | | Cum | | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 32.44 | | | |
| | | | | | | Total Quantity | 32.44 | 1891.21 | 61350.85 | |
| 14 | Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and directions of the engineer in charge. | | | | | | | | | |
| | | sqm | | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 162.20 | | | |
| | | | | | | Total Quantity | 162.20 | 32.05 | 5198.51 | |
| 15 | Cleaning the existing block topped surface with brooms,soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials labour,HOM of machineries complete as per specifications and directions of the engineer in charge | | | | | | | | | |
| | | sqm | | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 3608.38 | | | |
| | | | | | | Total Quantity | 3608.38 | 5.01 | 18077.98 | |
| 16 | Providing and laying dense graded bituminous macadam using crushed aggregates of sprcified grading premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade ,level and alignment, rolling with wheeled,vibratory and tandeem rollers to achieve the desired compaction in all respects complete as per specifications and directions of the engineer in charge. | | | | | | | | | |
| | | cum | | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 8.11 | | | |
| | | | | | | Total Quantity | 8.11 | 8075.71 | 65494.01 | |
| 17 | Providing and applying tack coat using 80/100 grade bitumen (VG10)on the prepared black topped surfaces at 0.25 kg per sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface ) including cost of all materials, labour, HOM of machineries complete as per specifications and directions of the engineer in charge. | | | | | | | | | |
| | | sqm | | | | | | | | |
| | Quantity Vide As Per Pre Measurement are prepared in E-Bill | | | | | | 3608.38 | | | |
| | | | | | | Total Quantity | 3608.38 | 12.02 | 43372.73 | |
| 18 | Providing and laying Bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of sprcified grading premixed with bituminous binder and filler transporting the hot mix to work site laying with a paver finisher to the required grade ,level and alignment, rolling with wheeled,vibratory and tandeem rollers to achieve the desired compaction in all respects complete as per specifications and directions of the engineer in charge. | | | | | | | | | |
| | 1st Cross | Cum | 1 | 15.00 | (5.40+4.70) | 0.04 | 3.03 | | | |
| | | | | | 2 | | | | | |
| | | | 1 | 15.00 | (4.70+5.90) | 0.04 | 3.18 | | | |
| | | | | | 2 | | | | | |
| | | | 1 | 15.00 | (5.90+5.80) | 0.04 | 3.51 | | | |
| | | | | | 2 | | | | | |
| | | | 1 | 15.00 | (5.80+5.70) | 0.04 | 3.45 | | | |
| | | | | | 2 | | | | | |

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|---|---|---|---|---|---|---|
| | 1 | 15.00 | (5.70+5.40)/2 | 0.04 | 3.33 | |
| | 1 | 11.30 | (5.40+5.50)/2 | 0.04 | 2.46 | |
| | 1 | 15.00 | (5.30+4.80)/2 | 0.04 | 3.03 | |
| | 1 | 15.00 | (4.80+5.10)/2 | 0.04 | 2.97 | |
| | 1 | 15.00 | (5.10+5.80)/2 | 0.04 | 3.27 | |
| | 1 | 6.20 | (5.80+5.20)/2 | 0.04 | 1.36 | |
| 2nd Cross(Left Side) | 1 | 1.70 | (7.00+6.90)/2 | 0.04 | 0.47 | |
| | 1 | 15.00 | (5.20+4.50)/2 | 0.04 | 2.91 | |
| | 1 | 15.00 | (4.50+3.60)/2 | 0.04 | 2.43 | |
| | 1 | 15.00 | (3.60+4.50)/2 | 0.04 | 2.43 | |
| | 1 | 5.30 | (4.50+3.90)/2 | 0.04 | 0.89 | |
| 3rd Cross(Left Side) | 1 | 15.00 | (5.00+4.90)/2 | 0.04 | 2.97 | |
| | 1 | 15.00 | (4.90+4.60)/2 | 0.04 | 2.85 | |
| | 1 | 15.00 | (4.60+4.20)/2 | 0.04 | 2.64 | |
| | 1 | 0.90 | (4.20+3.90)/2 | 0.04 | 0.15 | |
| 4Th Cross(Left Side) | 1 | 15.00 | (5.00+4.30)/2 | 0.04 | 2.79 | |
| | 1 | 15.00 | (4.30+3.50)/2 | 0.04 | 2.34 | |
| | 1 | 7.20 | (3.50+4.00)/2 | 0.04 | 1.08 | |
| 5Th Cross(Left Side) | 1 | 15.00 | (4.90+4.80)/2 | 0.04 | 2.91 | |
| | 1 | 14.90 | (4.80+4.60)/2 | 0.04 | 2.80 | |
| 2nd Cross(Right Side) | 1 | 15.00 | (3.80+4.40)/2 | 0.04 | 2.46 | |
| | 1 | 13.30 | (4.40+4.50)/2 | 0.04 | 2.37 | |
| 3rd Cross(Right Side) | 1 | 15.00 | (4.50+4.30)/2 | 0.04 | 2.64 | |
| | 1 | 12.80 | (4.30+4.20)/2 | 0.04 | 2.18 | |
| 4Th Cross(Right Side) | 1 | 15.00 | (5.00+4.80)/2 | 0.04 | 2.94 | |
| | 1 | 11.60 | (4.80+5.40)/2 | 0.04 | 2.37 | |
| 1st Main Road | 1 | 15.00 | (6.60+6.30)/2 | 0.04 | 3.87 | |
| | 1 | 15.00 | (6.30+5.80)/2 | 0.04 | 3.62 | |
| | 1 | 15.00 | (5.80+5.70)/2 | 0.04 | 3.45 | |

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8/6/22

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|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1 | 15.00 | (5.70+5.90) / 2 | 0.04 | 3.48 | | | |
| | | | 1 | 15.00 | (5.90+6.10) / 2 | 0.04 | 3.60 | | | |
| | | | 1 | 15.00 | (6.10+6.30) / 2 | 0.04 | 3.72 | | | |
| | | | 1 | 15.00 | (6.30+5.80) / 2 | 0.04 | 3.63 | | | |
| | | | 1 | 15.00 | (5.80+6.20) / 2 | 0.04 | 3.60 | | | |
| | | | 1 | 15.00 | (6.20+6.00) / 2 | 0.04 | 3.66 | | | |
| | | | 1 | 15.00 | (6.00+5.90) / 2 | 0.04 | 3.57 | | | |
| | | | 1 | 15.00 | (5.90+6.70) / 2 | 0.04 | 3.78 | | | |
| | | | 1 | 15.00 | (6.70+6.00) / 2 | 0.04 | 3.81 | | | |
| | | | 1 | 15.00 | (6.00+6.00) / 2 | 0.04 | 3.60 | | | |
| | | | 1 | 15.00 | (6.00+6.10) / 2 | 0.04 | 3.63 | | | |
| | | | 1 | 15.00 | (6.10+6.00) / 2 | 0.04 | 3.63 | | | |
| | | | 1 | 14.00 | (6.00+6.20) / 2 | 0.04 | 3.42 | | | |
| | Manavarthi Thota Main Road(Indira Canteen Road ) | | 1 | 15.00 | (6.90+7.30) / 2 | 0.04 | 4.26 | | | |
| | | | 1 | 11.00 | (7.30+8.50) / 2 | 0.04 | 3.48 | | | |
| | | | 1 | 15.00 | (4.90+4.50) / 2 | 0.04 | 2.82 | | | |
| | | | 1 | 8.50 | (4.50+4.10) / 2 | 0.04 | 1.50 | | | |
| | | | | | Total Quantity | | 144.34 | 9451.04 | 1364117.75 | |
| 19 | Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface.- Providing and laying of hot applied thermoplastic compound2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and directions of the | | | | | | | | | |
| | 1st Cross | sqm | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | | | 2 | 11.30 | 0.10 | | 2.26 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | 2nd Cross(Left Side) | | 2 | 6.20 | 0.10 | | 1.24 | | | |
| | | | 2 | 1.70 | 0.10 | | 0.34 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |
| | 3rd Cross(Left Side) | | 2 | 5.30 | 0.10 | | 1.06 | | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | | |

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Remeasured
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AE-02

Remeasured
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Yelahanka, Bangalore
8/06/22

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|---|---|---|---|---|---|---|---|---|---|
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 0.90 | 0.10 | | 0.18 | | |
| | 4Th Cross(Left Side) | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 7.20 | 0.10 | | 1.44 | | |
| | 5Th Cross(Left Side) | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 14.90 | 0.10 | | 2.98 | | |
| | 2nd Cross(Right Side) | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 13.30 | 0.10 | | 2.66 | | |
| | 3rd Cross(Right Side) | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 12.80 | 0.10 | | 2.56 | | |
| | 4Th Cross(Right Side) | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 11.60 | 0.10 | | 2.32 | | |
| | 1st Main Road | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 14.00 | 0.10 | | 2.80 | | |
| | Manavarthi Thota Main Road(Indira Canteen Road ) | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 11.00 | 0.10 | | 2.20 | | |
| | | | 2 | 15.00 | 0.10 | | 3.00 | | |
| | | | 2 | 8.50 | 0.10 | | 1.70 | | |
| | | | | | Total Quantity | | 134.74 | 429.73 | 57901.82 |
| | | | | | | | | Total RS | 2524099.68 |
| | | | | | | | Add GST @ 12% RS | | 302891.96 |
| | | | | | | | | Grand Total RS | 2826991.64 |

C&FC

Executive Engineer
Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

## CERTIFICATE

1 Certified that the above work done is satisfactory completed to work.
2 Certified that the there is no debries have been cleared to site

Agency Signature

Assistant Engineer
Ward No-02

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

9/06/2022

# BRUHAT BENGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 5/5/2022

| S.NO | Description of item's | Unit | No | Measurements | | | Qty |
|---|---|---|---|---|---|---|---|
| | | | | L | B | D | |
| 1 | Dismantling of existing structures like culverts,bridges,retaining walls and other structure comprising of masanry,cement concrete,wood work,steel work,including T&P and scaffolding wherever necessary,sorting the dismantled material,disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications and directions of the Engineer in Charge | | | | | | |
| | RCC Culvert Side Walls -1st cross | cum | 2 | 5.50 | 0.20 | 0.50 | 1.10 |
| | 4th cross | | 2 | 5.60 | 0.20 | 0.50 | 1.12 |
| | Bottom Raft -1st cross | | 1 | 5.50 | 1.25 | 0.20 | 1.38 |
| | 4th cross | | 1 | 5.60 | 1.15 | 0.20 | 1.29 |
| | | | | | Total Quantity | | 4.85 |

Checked 5/5/2022 AE-02

Asst. Executive Engineer 5/5/22
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

# BRUHAT BENGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 5/5/2022

| S.NO | Description of item's | Unit | No | Measurements | | | Qty |
|---|---|---|---|---|---|---|---|
| | | | | L | B | D | |
| 2 | .Earth work excavation by manual means for roads,drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clouds complete as per specifications and directions of the Engineer in Charge. | | | | | | |
| | 12th cross,Drain:-L/Side | cum | 1 | 15.00 | 0.95 | 0.90 | 12.83 |
| | | | 1 | 15.00 | 0.95 | 0.90 | 12.83 |
| | | | 1 | 15.00 | 0.95 | 0.90 | 12.83 |
| | | | 1 | 2.80 | 0.95 | 0.90 | 2.39 |
| | R/Side | | 1 | 15.00 | 0.95 | 0.90 | 12.83 |
| | | | 1 | 15.00 | 0.95 | 0.90 | 12.83 |
| | | | 1 | 15.00 | 0.95 | 0.90 | 12.83 |
| | | | 1 | 2.00 | 0.95 | 0.90 | 1.71 |
| | 5Th Cross | | 1 | 13.00 | 0.95 | 0.90 | 11.12 |
| | RCC Culvert.-1st cross | | 1 | 5.50 | 1.70 | 0.85 | 7.95 |
| | 4th cross | | 1 | 5.60 | 1.70 | 0.85 | 8.09 |
| | | | | | Total Quantity | | 108.21 |

17 Nos Counted 5/5/2022 AE-02

Ramesan.
Asst. Executive Engineer
Yelahanka Sub. Divison 5/5/2022
(BBMP Ynk. Zn)
Yelahanka, Bangalore

# BRUHAT BENGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 7/5/2022

| S.NO | Description of item's | Unit | No | Measurements L | Measurements B | Measurements D | Qty |
|---|---|---|---|---|---|---|---|
| 3 | Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exceeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications and directions of the Engineer in Charge. | | | | | | |
| | 12th cross,Drain:-L/Side | cum | 1 | 15.00 | 0.95 | 0.15 | 2.14 |
| | | | 1 | 15.00 | 0.95 | 0.15 | 2.14 |
| | | | 1 | 15.00 | 0.95 | 0.15 | 2.14 |
| | | | 1 | 2.80 | 0.95 | 0.15 | 0.40 |
| | R/Side | | 1 | 15.00 | 0.95 | 0.15 | 2.14 |
| | | | 1 | 15.00 | 0.95 | 0.15 | 2.14 |
| | | | 1 | 15.00 | 0.95 | 0.15 | 2.14 |
| | | | 1 | 2.00 | 0.95 | 0.15 | 0.29 |
| | 5Th Cross | | 1 | 13.00 | 0.95 | 0.15 | 1.85 |
| | RCC Culvert:-1st cross | | 1 | 5.50 | 1.70 | 0.15 | 1.40 |
| | 4th cross | | 1 | 5.60 | 1.70 | 0.15 | 1.43 |
| | | | | | Total Quantity | | 18.19 |

7/5/2022 AE-2

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore
7/5/2022

# BRUHAT BENGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 07/05/2022

| S.NO | Description of item's | Unit | No | Measurements L | B | D | Qty |
|---|---|---|---|---|---|---|---|
| 5 | Providing T.M.T bars Fe 500 Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete as per specifications and directions of the Engineer in Charge. | | | | | | |
| | RCC Drain:-Main Rods 10mm Dia(0.12c/c) | Tonne,s | | | | | |
| | 12th cross,Drain:-L/Side | | 125 | 2.10 | 262.50 | | |
| | | | 125 | 2.10 | 262.50 | | |
| | | | 125 | 2.10 | 262.50 | | |
| | | | 24 | 2.10 | 50.40 | | |
| | R/Side | | 125 | 2.10 | 262.50 | | |
| | | | 125 | 2.10 | 262.50 | | |
| | | | 125 | 2.10 | 262.50 | | |
| | | | 18 | 2.10 | 37.80 | | |
| | 5Th Cross | | 109 | 2.10 | 228.90 | | |
| | | | | | 1892.10 | 0.62 | 1173.10 |
| | Distrubution Rods 8mm Dia(0.15c/c) | | | | | | |
| | 12th cross,Drain:-L/Side | | 14 | 15.00 | 210.00 | | |
| | | | 14 | 15.00 | 210.00 | | |
| | | | 14 | 15.00 | 210.00 | | |
| | | | 14 | 2.75 | 38.50 | | |
| | R/Side | | 14 | 15.00 | 210.00 | | |
| | | | 14 | 15.00 | 210.00 | | |
| | | | 14 | 15.00 | 210.00 | | |
| | | | 14 | 1.95 | 27.30 | | |
| | 5Th Cross | | 14 | 12.90 | 180.60 | | |
| | | | | | 1506.40 | 0.39 | 587.50 |
| | RCC Culverts:-Main Rods 12mm Dia(0.12c/c) | | | | | | |
| | Outer Rods:-R/Side | | 47 | 2.70 | 126.90 | | |
| | L/Side | | 48 | 2.70 | 129.60 | | |
| | Inner Rods | | 46 | 2.10 | 96.60 | | |
| | | | 47 | 2.10 | 98.70 | | |
| | | | | | 451.80 | 0.89 | 402.10 |
| | Distrubution Rods 10mm Dia(0.15c/c) | | | | | | |
| | Outer Rods:-R/Side | | 19 | 5.40 | 102.60 | | |
| | L/Side | | 19 | 5.50 | 104.50 | | |
| | Inner Rods | | 15 | 5.40 | 81.00 | | |
| | | | 15 | 5.50 | 82.50 | | |
| | | | | | 370.60 | 0.62 | 229.77 |
| | | | | | | | 2392.47 |
| | | | | | Total Quantity | | 2.39 |

CJR

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

7/5/2022

# BRUHAT BENGALORE MAHANAGARA PALIKE
## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 07/5/2022

| S.NO | Description of item's | Unit | No | Measurements L | B | D | Qty |
|---|---|---|---|---|---|---|---|
| 8 | Providing and laying in position plain cement concrete of mix 1:2:4 with opc @ 240kgs,with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates 0.53 cum,machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM curing complete as per specifications and directions of the engineer in charge. | | | | | | |
| | 1st Main Road | Cum | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 15.00 | 0.20 | 0.10 | 0.30 |
| | | | 1 | 14.00 | 0.20 | 0.10 | 0.28 |
| | RCC Culvert:-1st cross | | 2 | 5.50 | 0.15 | 0.10 | 0.17 |
| | 4th cross | | 2 | 5.60 | 0.20 | 0.10 | 0.22 |
| | | | | | | | 5.17 |
| | Roads | | 4 | 5.50 | 0.20 | 0.10 | 0.44 |
| | | | | | Total Quantity | | 4.73 |

AE-7/5/2022

Ramalingeeri
Asst. Executive Engineer 7/05/2022
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

# BRUHAT BENGALORE MAHANAGARA PALIKE
## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 7/5/2022

| S.NO | Description of item's | Unit | No | Measurements L | B | D | Qty |
|---|---|---|---|---|---|---|---|
| 9 | Removing and resetting of kerb stones complete as per specifications and directions of the engineer in charge. | | | | | | |
| | 1st Main Road | Rmtr | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 15.00 | | | 15.00 |
| | | | 1 | 14.00 | | | 14.00 |
| | | | | | | | 239.00 |
| | Deductions(-) | | | | | | |
| | Missing and Damaged Kerbs | | 2 | 0.45 | | | 0.90 |
| | | | 5 | 0.45 | | | 2.25 |
| | | | 3 | 0.45 | | | 1.35 |
| | | | 1 | 0.45 | | | 0.45 |
| | | | 5 | 0.45 | | | 2.25 |
| | | | 3 | 0.45 | | | 1.35 |
| | | | 6 | 0.45 | | | 2.70 |
| | | | 5 | 0.45 | | | 2.25 |
| | | | 3 | 0.45 | | | 1.35 |
| | | | 4 | 0.45 | | | 1.80 |
| | | | 3 | 0.45 | | | 1.35 |
| | | | 2 | 0.45 | | | 0.90 |
| | | | 3 | 0.45 | | | 1.35 |
| | | | 2 | 0.45 | | | 0.90 |
| | | | 6 | 0.45 | | | 2.70 |
| | Roads | | 4 | 5.50 | | | 22.00 |
| | | | | | | | 45.85 |
| | | | | | Total Quantity | | 193.15 |

7/5/2022
AE-02

Asst. Executive Engineer 8/5/2022
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

# BRUHAT BENGALORE MAHANAGARA PALIKE
## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 10/5/2022

| S.NO | Description of item's | Unit | No | Measurements L | B | D | Qty |
|---|---|---|---|---|---|---|---|
| 12 | Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers,trimming bottom and side slopes,in accordance with requirements of lines,grades and cross sections,and transportation with a lead of 1.00 km and complete as per specifications and directions of the engineer in charge. | | | | | | |
| | 1st Cross | cum | 1 | 20.00 | 0.60 | 0.20 | 2.40 |
| | 2nd Cross(Left Side) | | 1 | 14.00 | 1.00 | 0.20 | 2.80 |
| | 3rd Cross(Left Side) | | 1 | 16.00 | 1.10 | 0.20 | 3.52 |
| | 4Th Cross(Left Side) | | 1 | 11.00 | 0.60 | 0.20 | 1.32 |
| | 5Th Cross(Left Side) | | 1 | 13.00 | 2.00 | 0.20 | 5.20 |
| | 2nd Cross(Right Side) | | 1 | 11.00 | 3.00 | 0.20 | 6.60 |
| | 3rd Cross(Right Side) | | 1 | 5.00 | 0.40 | 0.20 | 0.40 |
| | 4Th Cross(Right Side) | | 1 | 7.00 | 3.00 | 0.20 | 4.20 |
| | 1st Main Road | | 1 | 15.00 | 2.00 | 0.20 | 6.00 |
| | | | | | Total Quantity | | 32.44 |

10/5/2022
AE-02

Asst. Executive Engineer
Yelahanka Sub. Divison 10/5/2022
(BBMP Ynk. Zn)
Yelahanka, Bangalore

# BRUHAT BENGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 11/5/2022

| S.NO | Description of item's | Unit | No | Measurements | | | Qty |
|---|---|---|---|---|---|---|---|
| | | | | L | B | D | |
| 13 | Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting withvibratory roller to achieve the desired density complete as per specifications and directions of the engineer in | | | | | | |
| | 1st Cross | cum | 1 | 20.00 | 0.60 | 0.20 | 2.40 |
| | 2nd Cross(Left Side) | | 1 | 14.00 | 1.00 | 0.20 | 2.80 |
| | 3rd Cross(Left Side) | | 1 | 16.00 | 1.10 | 0.20 | 3.52 |
| | 4Th Cross(Left Side) | | 1 | 11.00 | 0.60 | 0.20 | 1.32 |
| | 5Th Cross(Left Side) | | 1 | 13.00 | 2.00 | 0.20 | 5.20 |
| | 2nd Cross(Right Side) | | 1 | 11.00 | 3.00 | 0.20 | 6.60 |
| | 3rd Cross(Right Side) | | 1 | 5.00 | 0.40 | 0.20 | 0.40 |
| | 4Th Cross(Right Side) | | 1 | 7.00 | 3.00 | 0.20 | 4.20 |
| | 1st Main Road | | 1 | 15.00 | 2.00 | 0.20 | 6.00 |
| | | | | | Total Quantity | | 32.44 |

Checked by AE-02 11/5/2022

Ramaraj earth
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore
11/5/2022

# BRUHAT BENGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 12/5/2022

| S.NO | Description of item's | Unit | No | Measurements L | Measurements B | Measurements D | Qty |
|---|---|---|---|---|---|---|---|
| 14 | Providing and applying primer coat with S.S bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0 60 kg / sqm using mechanical means complete as per specifications and directions of the engineer in charge | | | | | | |
| | 1st Cross | sqm | 1 | 20.00 | 0.60 | | 12.00 |
| | 2nd Cross(Left Side) | | 1 | 14.00 | 1.00 | | 14.00 |
| | 3rd Cross(Left Side) | | 1 | 16.00 | 1.10 | | 17.60 |
| | 4Th Cross(Left Side) | | 1 | 11.00 | 0.60 | | 6.60 |
| | 5Th Cross(Left Side) | | 1 | 13.00 | 2.00 | | 26.00 |
| | 2nd Cross(Right Side) | | 1 | 11.00 | 3.00 | | 33.00 |
| | 3rd Cross(Right Side) | | 1 | 5.00 | 0.40 | | 2.00 |
| | 4Th Cross(Right Side) | | 1 | 7.00 | 3.00 | | 21.00 |
| | 1st Main Road | | 1 | 15.00 | 2.00 | | 30.00 |
| | | | | | Total Quantity | | 162.20 |

14/5/2022

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore
14/5/2022

# BRUHAT BENGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 7/5/2022

| S.NO | Description of item's | Unit | No | Measurements L | B | D | Qty |
|---|---|---|---|---|---|---|---|
| 15 | Cleaning the existing block topped surface with brooms,soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials labour,HOM of machineries complete as per specifications and directions of the engineer in charge. | | | | | | |
| | 1st Cross | sqm | 1 | 15.00 | (5.40+4.70)/2 | | 75.75 |
| | | | 1 | 15.00 | (4.70+5.90)/2 | | 79.50 |
| | | | 1 | 15.00 | (5.90+5.80)/2 | | 87.75 |
| | | | 1 | 15.00 | (5.80+5.70)/2 | | 86.25 |
| | | | 1 | 15.00 | (5.70+5.40)/2 | | 83.25 |
| | | | 1 | 11.30 | (5.40+5.50)/2 | | 61.59 |
| | | | 1 | 15.00 | (5.30+4.80)/2 | | 75.75 |
| | | | 1 | 15.00 | (4.80+5.10)/2 | | 74.25 |
| | | | 1 | 15.00 | (5.10+5.80)/2 | | 81.75 |
| | | | 1 | 6.20 | (5.80+5.20)/2 | | 34.10 |
| | 2nd Cross(Left Side) | | 1 | 1.70 | (7.00+6.90)/2 | | 11.82 |
| | | | 1 | 15.00 | (5.20+4.50)/2 | | 72.75 |
| | | | 1 | 15.00 | (4.50+3.60)/2 | | 60.75 |
| | | | 1 | 15.00 | (3.60+4.50)/2 | | 60.75 |
| | | | 1 | 5.30 | (4.50+3.90)/2 | | 22.26 |
| | 3rd Cross(Left Side) | | 1 | 15.00 | (5.00+4.90)/2 | | 74.25 |
| | | | 1 | 15.00 | (4.90+4.60)/2 | | 71.25 |
| | | | 1 | 15.00 | (4.60+4.20)/2 | | 66.00 |
| | | | 1 | 0.90 | (4.20+3.90)/2 | | 3.65 |

Certified TAE-02 11/5/2022

Asst Executive Engineer
Yelahanka sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore
15/5/2022

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | 1 | 15.00 | (4.90+4.50) | | 70.50 |
| | | | | | 2 | | |
| | | | 1 | 8.50 | (4.50+4.10) | | 37.40 |
| | | | | | 2 | | |
| | | | | | Total Quantity | | 3608.38 |

Rota

AE-02 14/5/2022

Ramadevi Asst. Executive Engineer
Yelahanka Sub. Divison 14/5/2022
(BBMP Ynk. Zn)
Yelahanka, Bangalore

# BRUHAT BENGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 23/05/2022

| S.NO | Description of item's | Unit | No | Measurements | | | Qty |
|---|---|---|---|---|---|---|---|
| | | | | L | B | D | |
| 16 | Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying to the required grade ,level and alignment, rolling with wheeled,vibratory and tandeem rollers to achieve the desired compaction in all respects complete as per specifications and directions of the engineer in charge. | | | | | | |
| | 1st Cross | cum | 1 | 20.00 | 0.60 | 0.05 | 0.60 |
| | 2nd Cross(Left Side) | | 1 | 14.00 | 1.00 | 0.05 | 0.70 |
| | 3rd Cross(Left Side) | | 1 | 16.00 | 1.10 | 0.05 | 0.88 |
| | 4Th Cross(Left Side) | | 1 | 11.00 | 0.60 | 0.05 | 0.35 |
| | 5Th Cross(Left Side) | | 1 | 13.00 | 2.00 | 0.05 | 1.30 |
| | 2nd Cross(Right Side) | | 1 | 11.00 | 3.00 | 0.05 | 1.65 |
| | 3rd Cross(Right Side) | | 1 | 5.00 | 0.40 | 0.05 | 0.10 |
| | 4Th Cross(Right Side) | | 1 | 7.00 | 3.00 | 0.05 | 1.05 |
| | 1st Main Road | | 1 | 15.00 | 2.00 | 0.05 | 1.50 |
| | | | | | Total Quantity | | 8.11 |

23/05/2022
AE-02

Rameshareddy
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore
23/5/2022

# BRUHAT BENGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

Name Of Work:- Improvements and Asphalting to Roads at Kamakshamma Layout in Chowdeshwari Ward No.02 Of Yelahanka sub division

Agency:-Sri.R Ranganath

Pre-Measurements Taken On:- 25/5/2022

| S.NO | Description of item's | Unit | No | Measurements L | B | D | Qty |
|---|---|---|---|---|---|---|---|
| 17 | Providing and applying tack coat using 80/100 grade bitumen (VG10)on the prepared black topped surfaces at 0.25 kg per sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface ) including cost of all materials, labour, HOM of machineries complete as per specifications and directions of the engineer in charge. | | | | | | |
| | 1st Cross | sqm | 1 | 15.00 | (5.40+4.70)/2 | | 75.75 |
| | | | 1 | 15.00 | (4.70+5.90)/2 | | 79.50 |
| | | | 1 | 15.00 | (5.90+5.80)/2 | | 87.75 |
| | | | 1 | 15.00 | (5.80+5.70)/2 | | 86.25 |
| | | | 1 | 15.00 | (5.70+5.40)/2 | | 83.25 |
| | | | 1 | 11.30 | (5.40+5.50)/2 | | 61.59 |
| | | | 1 | 15.00 | (5.30+4.80)/2 | | 75.75 |
| | | | 1 | 15.00 | (4.80+5.10)/2 | | 74.25 |
| | | | 1 | 15.00 | (5.10+5.80)/2 | | 81.75 |
| | | | 1 | 6.20 | (5.80+5.20)/2 | | 34.10 |
| | 2nd Cross(Left Side) | | 1 | 1.70 | (7.00+6.90)/2 | | 11.82 |
| | | | 1 | 15.00 | (5.20+4.50)/2 | | 72.75 |
| | | | 1 | 15.00 | (4.50+3.60)/2 | | 60.75 |
| | | | 1 | 15.00 | (3.60+4.50)/2 | | 60.75 |
| | | | 1 | 5.30 | (4.50+3.90)/2 | | 22.26 |
| | 3rd Cross(Left Side) | | 1 | 15.00 | (5.00+4.90)/2 | | 74.25 |
| | | | 1 | 15.00 | (4.90+4.60)/2 | | 71.25 |
| | | | 1 | 15.00 | (4.60+4.20)/2 | | 66.00 |
| | | | 1 | 0.90 | (4.20+3.90)/2 | | 3.65 |

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn) 25/5/2022
Yelahanka, Bangalore

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 1 | 15.00 | (4.90+4.50) | | 70.50 |
| | | | | 2 | | |
| | | 1 | 8.50 | (4.50+4.10) | | 37.40 |
| | | | | 2 | | |
| | | | | Total Quantity | | 3608.38 |

Asst. Executive Engineer 25/5/2012
Yelahanka Sub. Divison
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